

IN THE SPECIFICATION

Please replace the paragraph at page 13, line 4 with the following amended paragraph:

In one embodiment, the gateway 10 serves as a master controller for the adapter modules 30, 35 located on a reliable network ("RN") 55. The gateway 10 transmits and receives RF signals across the RN 55 to and from the adapter modules 30, 35. The gateway 10 issues commands to the adapter modules 30, 35 based on data received from ~~other~~ these adapter modules 30, 35. The gateway 10 also functions as a micro-controller based thermostat for the HVAC unit 15 over the pre-existing HVAC controls 20 by mimicking the functionality of a typical programmable thermostat. The gateway is capable of responding to demand/response commands sent from computing platforms 40. The gateway 10 logs data, transmitted from the adapter modules 30, 35 as well as data from the thermostat function that may then be uploaded to the computing platforms 40 at specific time intervals. Usage data may include, but is not limited to temperature, thermostat settings and user input commands.

Please replace the paragraph at page 15, line 16 with the following amended paragraph:

The third-party LAN adapter module 65 provides a link from the RN 55 to another third-party LAN 75. The third-party LAN adapter module 65 allows communication between a distinct network (e.g. networked sensors) 80 and other adapter modules 30, 35, 65 that reside on the RN 55. The third-party LAN 75 may consist of a home security system, or a home management or automation network. The gateway 10 can control and monitor, through the third-Party LAN adapter module 65, the other ~~network-80~~ networked sensors 80 and appliances and

devices 85. The third-party LAN adapter module creates a single-point monitor and control device for the other ~~network 80~~ networked sensors 80 and appliances and devices 85. The third-party networks 75 typically consist of control modules 70 connected to the appliances and devices 85, such as HVAC units, lights, or security sensors.

Please replace the paragraph at page 24, line 17 with the following amended paragraph:

Referring to FIG. 12, an embodiment of the gateway 10 in an open mode is shown with a hinged cover 320 fully open. The gateway 10 contains a faceplate 325 having openings for a LCD screen 330, operation buttons 335, a message indicator 340 and a jog-dial 345. The LCD screen ~~320~~ 330 displays configuration and status information of the energy management system 1 to the user in a browser-like interface. In open mode, the LCD screen 330 displays in-depth menus for schedule programming, diagnostics, and several other functionalities. The gateway 10 contains resources to support high level software development. The gateway 10 utilizes a well-supported standards-based operating system that includes developer support for integration with standard IT system development tools and support for dynamic software libraries. The operation buttons 335 are a means for a user to navigate and input commands highlighted on the LCD screen 330. The jog-dial 345 allows the user to navigate through menus and options as a means of controlling and monitoring the energy management system 1. The hinged cover 320 of the gateway has openings aligned with critical display areas of the LCD screen 330 as well as an opening for the jog-dial 345 to allow for operation of the thermostat functions of the gateway 10 while the hinged cover 320 remains closed.

Please replace the paragraph at page 25, line 10 with the following amended paragraph:

Referring to FIG. 13, the front-cover obscures a large portion of the LCD screen 330. In closed mode, the gateway 10 operates as a traditional thermostat. The user adjusts the heating or cooling temperature by rotating the jog-dial 345 until the desired temperature setting is reached. Rotating the jog-dial 345 will interrupt and override any pre-programmed setting of the gateway 10. In an embodiment, the exposed portion of the LCD screen ~~350~~ 330 alternately displays the current temperature and current time. Also visible in closed mode is the schedule 355 of heat and cool threshold temperatures for pre-programmed periods such as wake, leave, return and sleep. The gateway 10 may also notify the user, by an audible and visual notification, that a message has been received from the computing platforms. The message indicator 340 will light up upon receiving a message. A range of customizable audible and visible notifications may be implemented depending on the importance or severity of the message. Less urgent messages may use a softer tone or display, for example.